

Maruh 800 / / dasly When s 20 km/ll Speed - 80 km/hr Ferani traffic / 1 litte -> 25 km Speed -> 250 km/hx Outing Birdget Common Yuman New of New Mon expect system Jeoffy Histor

Meural Network

Newon and addition

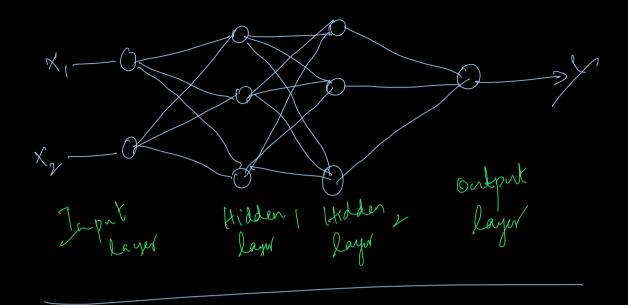
(multiplication and addition

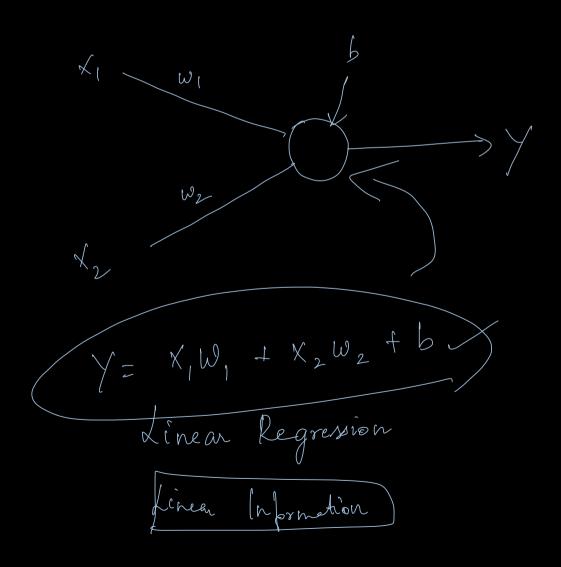
(input)

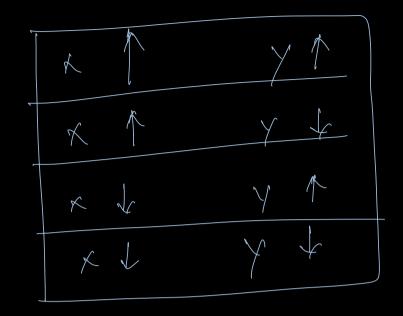
Struck
$$x_1 \quad w_2 \quad b_1 \quad \delta/p \, l_{q_1}$$

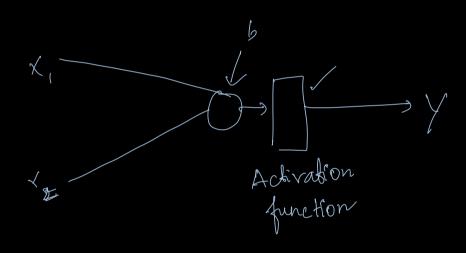
$$x_2 \quad w_3 \quad y_4 \quad y_5 \quad y_6 \quad y_7 \quad$$

Thynt Jayer layer layer









Activation function = Identity function. 5. I >> 5 100. I >> 100 Thenking function => Linear Regression

Signoid function => Logistic Regression Linear fegresson 10 Columns -> [1 parameters 10 slope 1 Intacept \Rightarrow 1, a, b, a^2 , b^2 , 2xb+fred forward layer

25 parameter) parameters 2 × 3 × 3 [8 + (3 + 3 + 1) 2 Hidden Layers lo Neuron Deeply $(2 \times (0 \times 10)$ (200) + (10 + 10 +1) [22] parameter 19608 7 Signard June Ston Softman function (Step function

RELU function) 20000 ELU function warpeansed Anto Encoders Back propyti (w randona) Win Oppfinised (Jun optimised I ____ Beck propegition wn Optimand 2 Lon Options 3 t poch

Why NN was Abondoned 1. Vanishing Gradient deseent 2. Exploding Grandient descent 1. Vanishing Gordont descent Exploding god $M - \frac{6}{6}$ m= Constant